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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER

VU, THONG H

ART UNIT	PAPER NUMBER
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2142

DATE MAILED: 01/04/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Applicati n No.

09/819,521

Applicant(s)

VOGT, DAVID

Examiner

Thong H Vu

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-- The MAILING DATE of this c mmunication appears on the c ver sheet with the c rrespondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 22 September 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-96 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-96 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

1. Claims 1-96 are pending.
2. The Amendments to the specification filed 9/22/04 is entered the record.

Response to Arguments

3. Applicant's arguments, see pages 34-37 filed 9/22/04 with respect to the rejections of claims 1-96 under Agassi, Pistriotto-Iyengar have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Hunt-Coile.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-96 are rejected under 35 U.S.C. 103 as being unpatentable over Hunt et al [Hunt, col 6,253,234 B1] in view of Coile et al [Coile, 6,437,406 B1].
5. As per claim 25, Hunt discloses a proxy server for providing transparent proxy services to a user of a client device [Hunt, the local/remote transparent via a caching proxy, col 8 lines 25-40], the client device having a browser for retrieving digital content from a data network, wherein the client device, the proxy server and a remote server are connected to the data network [Hunt, a proxy server, col 4 lines 23-42, col 6 lines 56-65; a remote server, col 1 lines 45-57, col 8 lines 25-40], the remote server having a remote server host name (i.e.: IP address), the proxy server comprising computer software code for

receiving a first request from the browser for a first Web page (i.e.: unit of digital content), wherein there is a remote server hostname associated with the remote server and the first request includes the remote server hostname for referencing the first Web page [Hunt, a specific host name or IP address, col 6 lines 10-22];

requesting the first Web page from the remote server, receiving the first Web page from the remote server, parsing the first Web page for references to the remote server [Hunt, the web server responses to the requested web page from a personal server, col 9 lines 30-49];

modifying at least one reference to the remote server in the first Web page to thereby form a modified first Web page [Hunt, the proxy, act as a surrogate, redirects a request for a specific host name or IP address to another browser, col 6 lines 10-22]; transmitting the modified first Web page to the browser [Hunt, request the newly retrieved page, col 8 lines 15-24]

6. However Hunt does not detail “by inserting a surrogate (i.e.: proxy) server hostname into the at least one reference and removing a remote server hostname from the at least one reference, wherein the surrogate server hostname is different from the remote server hostname”.

7. It was well-known in the art that the proxy (surrogate) process including modifying the address/ID/name of a remote/target/destination node by a proxy (surrogate) address/ID/name from a reference/URL [see Blewett, Coile references].

8. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to incorporate the proxy (surrogate) process modifying

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(intercepting) the address (name) of a remote node by a proxy (surrogate) server as taught by Coile into the Hunt's apparatus in order to enhance the security over Internet.

9. As per claim 26, Hunt-Coile disclose there is a proxy server hostname associated with the proxy server, and the surrogate server hostname is the proxy server hostname [Hunt, hostname and proxy or surrogate, col 6 lines 10-22; col 9 lines 17-28].

10. As per claim 27, Hunt-Coile disclose the computer software code for receiving a second request from the browser for a second Web page, wherein the second request identifies the surrogate server hostname as a source of the second Web page as inherent feature of proxy or surrogate [Hunt, proxy or surrogate, col 6 lines 10-22; col 9 lines 17-28; second browser, col 8 lines 3-15].

11. As per claim 28, Hunt-Coile disclose the computer software code for modifying the second request to a modified second request by removing the surrogate server hostname from the second request transmitting the modified second request to the remote server as inherent feature of the proxy code [Hunt, redirect, col 6 lines 10-22; second browser, col 8 lines 3-15; local/remote transparent, col 8 lines 25-40].

12. As per claim 29, Hunt-Coile disclose a web server and the data network utilizes TCP/IP and HTTP protocols, the computer software code for modifying the surrogate server hostname to the remote server hostname in the at least one reference [Hunt, Web server, col 4 lines 7-22; proxy or surrogate server, col 9 lines 50-67].

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13. As per claim 30, Hunt-Coile disclose a web server and the data network utilizes TCP/IP and HTTP protocols, wherein the at least one reference includes a local path, the computer software code for inserting the surrogate server hostname into the at least one reference in place of the remote server hostname making the remote server hostname server part of the local path of the at least one reference [Hunt, determine link necessary to forward request, col 9 lines 17-30].

14. As per claim 31, Hunt-Coile disclose the computer proxy code for modifying or reversing the characters in the remote server hostname to thereby make the remote server hostname read backwards as inherent feature of proxy server [see Donalson, Reed references].

15. As per claim 32, Hunt-Coile disclose the computer proxy code for changing the periods to slashes ("/") in the reversed remote server hostname as inherent feature of proxy server.

16. As per claim 33, Hunt-Coile disclose the computer proxy code for inserting a separator between the reversed hostname of the remote server and the remainder of the path as inherent feature of proxy server.

17. As per claim 34, Hunt-Coile disclose the separator comprises a caret ("^") as inherent feature of proxy server.

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18. As per claim 35, Hunt-Coile disclose computer software code for inserting a base reference tag pointing to the surrogate server into the modified remote page [Hunt, the proxy, act as a surrogate, redirects a request for a specific host name or IP address to another browser, col 6 lines 10-22].

19. As per claim 36, Hunt-Coile disclose computer software code for determining if a base tag is present in the remote page, and if so, then modifying the base tag to point to the surrogate server by replacing the remote server hostname with the surrogate server hostname as inherent feature of proxy server [Hunt, proxy or surrogate server, col 9 lines 50-67].

20. As per claim 37, Hunt-Coile disclose the computer software code identifying a first reference, wherein the first reference is to be displayed by the browser and therefore would be visible to the user, the proxy server code for not modifying the first reference as inherent feature of proxy server [Hunt, proxy or surrogate server, col 9 lines 50-67].

21. As per claim 38, Hunt-Coile disclose the computer software code identifying a first reference within a java script construct, the proxy server code for inserting a first java-script function into the modified remote page for modifying references, and inserting a call to the first java-script function into the java-script construct, whereby the

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first reference is encapsulated in the function call as inherent feature of proxy server [Hunt, proxy or surrogate server, col 9 lines 50-67].

22. As per claim 39, Hunt-Coile disclose the java-script construct, when performed would force a page reload by the browser [Hunt the newly retrieved page, col 8 lines 16-24].

23. As per claim 40, Hunt-Coile disclose the computer software code for identifying a first reference which is associated with any of the following HTML tags: <SRC="">, <HREF="">, <ACTION="">, "<META CONTENT='#;URL'" the computer software code for modifying the first reference as inherent features of HTML [Hunt, HTML format, col 5 lines 37-64].

24. As per claim 41, Hunt-Coile disclose the computer software code identifying a first reference, wherein the first reference ends with an extension indicating that content identified by the first reference is binary data, the proxy server code for not modifying the first reference as inherent feature of proxy server [Hunt, proxy or surrogate server, col 9 lines 50-67].

25. As per claim 42, Hunt-Coile disclose the computer software code for identifying a first reference, wherein the first reference includes a hostname other than the remote

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server hostname the proxy server code for not modifying the first reference as inherent feature of proxy server [Hunt, proxy or surrogate server, col 9 lines 50-67].

26. As per claim 43, Hunt-Coile disclose the computer software code for identifying a first reference, wherein the first reference includes a hostname (i.e.: proxy/surrogate name) other than the remote server hostname and the first reference comprises a link, the computer software code for modifying the reference to provide an error message to the user if the user selects the link as inherent feature of software code as inherent feature of the proxy code.

27. As per claim 44, Hunt-Coile disclose the computer software code for identifying a first reference, wherein the first reference is a relative reference or an absolute reference relative to root, the proxy server code for not modifying the first reference as inherent feature of the proxy code as inherent feature of the proxy code.

28. As per claim 45, Hunt-Coile disclose the computer software code for receiving a header from the remote server which is of a type which will cause the browser to load a new page [Hunt, the newly retrieved page, col 8 lines 16-24], wherein the header includes a first reference including the remote server hostname the proxy server code for modifying the first reference the proxy server code for transmitting the modified header to the browser as inherent feature of the proxy code.

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29. As per claims 46,47 Hunt-Coile disclose the header comprises "Location" ,
"Content-Location" as inherent feature of the proxy code.

30. As per claim 48, Hunt-Coile disclose the software code for receiving a header
from the remote server which is of a type which will cause the browser to set a cookie,
wherein the header includes a first reference including the remote server hostname the
proxy server code for modifying the first reference the proxy server code for transmitting
the modified header to the browser as inherent feature of the proxy code.

31. Claims 1-24; 49-72 and 73-96 contains the similar limitation as set forth claim 25-
48. Therefore, claims 1-24; 49-72; 73-96 are rejected for the similar rationale set forth in
claims 25-48.

32. Any inquiry concerning this communication or earlier communications from the
examiner should be directed to examiner Thong Vu, whose telephone number is (571)-272-
3904. The examiner can normally be reached on Monday-Thursday from 8:00AM- 4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's
supervisor, *Jack Harvey*, can be reached at (571) 272-3896. The fax number for the
organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent
Application Information Retrieval IPAIRI system. Status information for published applications
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PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Thong Vu
Patent Examiner
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